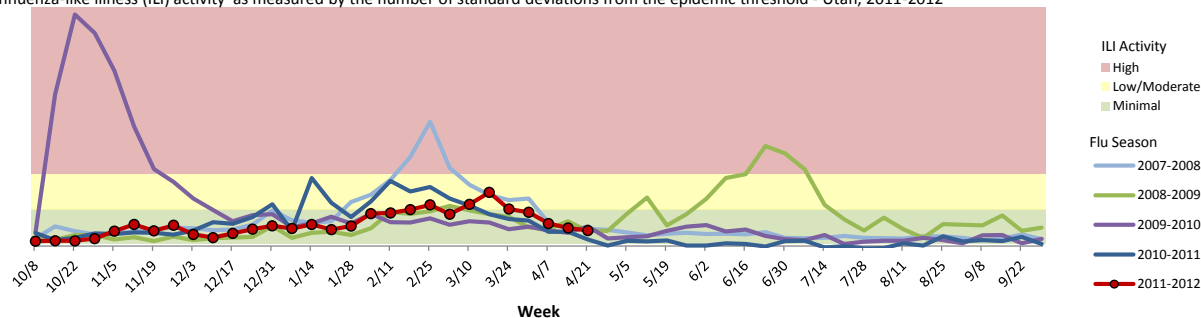


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



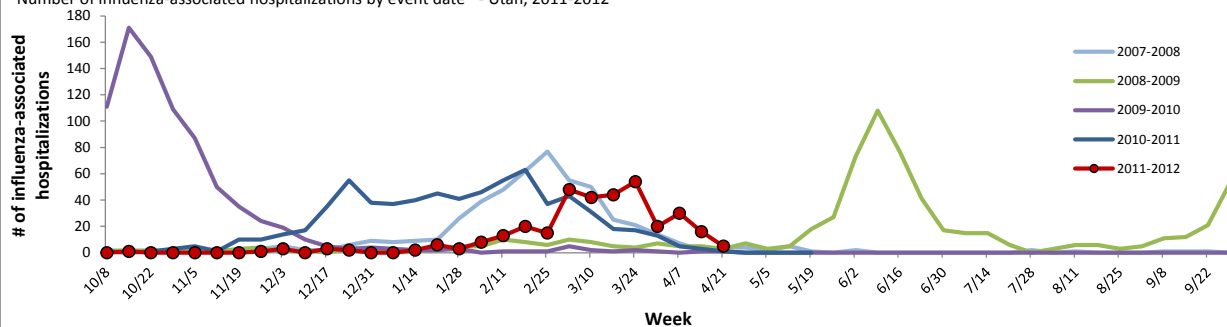
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Minimal
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Minimal
Wasatch	Minimal
Weber-Morgan	Minimal
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	188	56.0%	50.3%	0.0383
	Female	148	44.0%	49.7%	0.0383
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	250	74.4%	82.0%	0.0003
	Hispanic	53	15.8%	11.6%	0.0165
	Native Hawaiian/Pacific Islander	19	5.7%	0.7%	<0.0001
	Black/African American	5	1.5%	0.9%	0.2896
	American Indian	2	0.6%	1.1%	0.3522
	Asian	7	2.1%	1.9%	0.7717
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	81	24.1%	29.9	1
5-24 years	53	15.8%	5.6	1
25-49 years	73	21.7%	7.4	1
50-64 years	59	17.6%	14.7	1
65+ years	70	20.8%	28.3	1
Total	336	100%	11.8	5

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	8
Central	27
Davis	24
Salt Lake	186
Southeastern	1
Southwest	24
Summit	5
Tooele	1
TriCounty	0
Utah	33
Wasatch	0
Weber-Morgan	27

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	58	17.3%	261	77.7%	17	5.1%
Ventilator	22	6.5%	294	87.5%	20	6.0%
Died	7	2.1%	317	94.3%	12	3.6%
Neurological Symptoms	40	11.9%	280	83.3%	16	4.8%
Healthcare Worker	3	0.9%	262	78.0%	71	21.1%
Pregnant	12	3.6%	318	94.6%	6	1.8%
Heart Disorder	63	18.8%	257	76.5%	16	4.8%
Blood Disorder	8	2.4%	305	90.8%	23	6.8%
Kidney Disorder	27	8.0%	297	88.4%	12	3.6%
Metabolic Disorder	67	19.9%	253	75.3%	16	4.8%
Chronic Respiratory Disorder	129	38.4%	192	57.1%	15	4.5%
Immunosuppressed	28	8.3%	291	86.6%	17	5.1%
Neurological Disorder	40	11.9%	280	83.3%	16	4.8%
Seizure Disorder	12	3.6%	305	90.8%	19	5.7%
Bacterial Co-infection	10	3.0%	309	92.0%	17	5.1%
Obese**	62	29.7%	58	27.8%	89	42.6%
Morbidly Obese**	16	7.7%	104	49.8%	89	42.6%
Risk Factor***	294	87.5%	42	12.5%	0	0.0%
Vaccinated	93	27.7%	161	47.9%	82	24.4%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	3	60.0%	312	92.9%
Probable**	2	40.0%	24	7.1%
Total	5	100.0%	336	100.0%

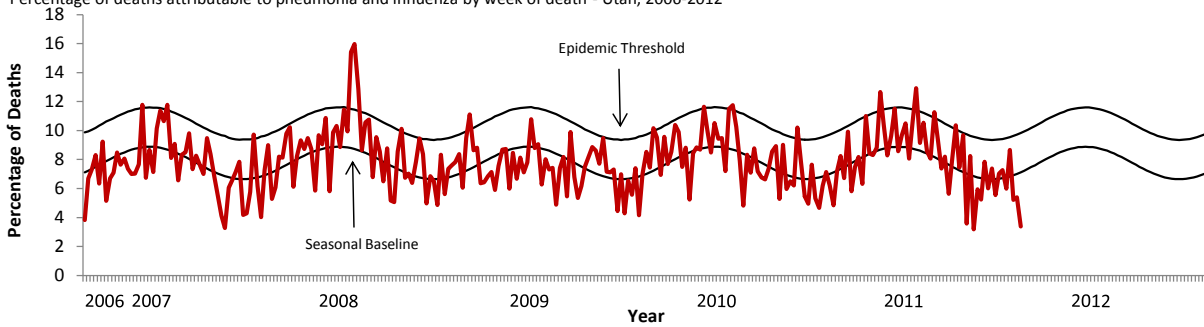
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

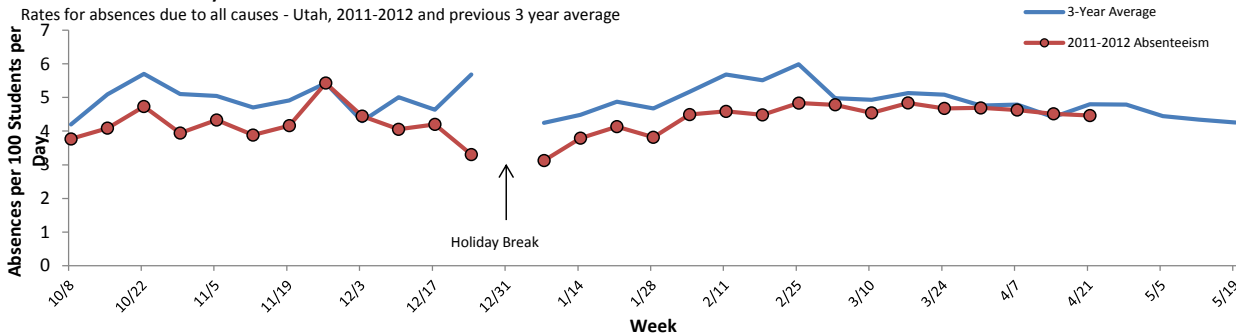
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.4
Central	3.8
Davis	3.6
Salt Lake	4.3
Southeast	5.3
Southwest	5.4
Summit	5.5
Tooele	6.0
TriCounty	4.5
Utah	2.6
Wasatch	4.3
Weber-Morgan	5.7
State	4.5

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	1,507	--	46	--
Positive specimens	1,066	70.7%	30	65.2%
Positive Specimens by Type/Subtype				
Influenza A	1,054	98.9%	29	96.7%
A (2009 H1N1)	679	64.4%	12	41.4%
A (H1)	0	0.0%	0	0.0%
A (H3)	375	35.6%	17	58.6%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	12	1.1%	1	3.3%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

